OPEN OR CLOSED ENDED TIRE PIPE APPARATUS AND METHOD

CROSS-REFERENCES TO RELATED APPLICATIONS

US PATENT DOCUMENTS

US-2002/0179511	12-2002	WOFFORD	210/151
US-2002/0179510	12-2002	WOFFORD	210/151
US-5,941,238	08-1999	TRACY	126/641
US-4,824,287	04-1989	TRACY	405/36

FOREIGN PATENT DOCUMENTS

2221479	02-1990	TRACY	GREAT BRITAIN

STATEMENT REGARDING FEDERALLY SPONSORED RESEARCH OR DEVELOPMENT

Not Applicable

REFERENCE TO A MICROFICHE APPENDIX

Not Applicable

BACKGROUND OF THE INVENTION

1. Field of the Invention

This invention relates generally to the construction of pipes, specifically to pipes constructed from used tires. 4

2. DESCRIPTION OF THE RELATED ART INCLUDING INFORMATION DISCLOSED UNDER 37CFR 1.97 and 1.98

Lawrence Tracy disclosed a system utilizing discarded tires to form a septic tank, in contrast to the present invention which produces a pipe for fluid flow. Mr. Tracy also disclosed a system drainfield line composed of tires, however these were not sealed to become waterproof, as in the invention

disclosed herein. 5

The invention described herein utilizes a waste product, resulting in economic and environmental benefits relative to new manufacture from raw materials. 6

BRIEF SUMMARY OF THE INVENTION

An object of the invention is to provide a simplified method for utilizing discarded vehicle tires in the construction of pipes. 7

Another object of the invention is to provide an apparatus to be used for the method noted above. 8

According to one aspect of the present invention, there is provided a method for construction of pipes, which comprises gluing used tires together in axial alignment, adding caps to the ends if desired. 9

These and other advantages, features and objects of the invention will be appreciated upon review of the following description of the invention when comprehended in conjunction with the attached drawings with the understanding that modifications, variations and alterations may be accomplished by those skilled in the art of the field of the disclosed invention without departing from the spirit or scope of the claims appended hereto. 10

BRIEF DESCRIPTION OF THE VIEWS OF THE DRAWINGS

Fig. 1 is a side view of the first step in the construction process of the invention-gluing two tires together, in this illustration with a cap on the posterior end. 11

Fig. 2 is a side view of a completed component-in this illustration four tires glued together in axial alignment to

form a pipe. 12

DETAILED DESCRIPTION OF THE INVENTION

To attain the objects as noted above the inventor analyzed established methods of used tire recycling with a view to avoidance of shredding,grinding,separation methods and other processing. It was found that used vehicle tires could substitute for new pipe raw materials with a minimum of modification. The invention is predicated in this finding. 13

More particularly, the present invention features the method of gluing used tires together to instantly create a pipe. 14

Further, the invention features an apparatus, which comprises used tires glued on their sides together in axial alignment to form a pipe. 15

Briefly, according to the invention used tires are glued together to form a pipe for fluid or gaseous transfer. A cap may be attached to either end or both ends if this is advantageous to the proposed use of the tire pipe. 16

Now, preferred embodiments of the invention will be described with reference to the drawings. 17

Fig. 1 is a side view illustrating an embodiment of the present invention. More specifically, the Figure shows an apparatus, which comprises a used tire A cemented to used tire B with industrial glue C. This is the building block of the

invention. The process of gluing used tires together is continued as necessary to produce an apparatus of the desired dimensions. 18

In Fig. 1 an end cap H has been glued to tire B to seal off the posterior of the tire pipe. In this illustration bolts F and G have been inserted through the tires and fastened by nuts D and E for added strength. 19

The process of gluing used tires together in axial alignment results in a component, as in Fig. 2, in this illustration four tires glued together to form a tire pipe. 20

The specifics contained in the above description should not be construed as limits on the scope of the invention. Many variations are possible within the teachings of the invention. 21

Thus, the scope of the invention should be determined by the following claims and their legal equivalents: 22